革伊螨属一新种
（蜱螨亚纲：土革螨科）

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根据文献记载，革伊螨属 *Gamasiphis* 中国仅分布有美丽革伊螨 *G. pulchellus* (Berlese，1887＊)。马丹梅曾于 1996 年 9 月 22 日自辽宁省丹东市的土壤中采得美丽革伊螨 6 只标本（3♀♀和 3♂♂）。本文记述该属 1 新种。文中测量单位为 μm，括号内为测量均值。模式标本存于全国鼠疫布氏菌病防治基地，吉林省白城市。

新美革伊螨 *Gamasiphis novipulchellus* 新种

鉴别特征　新种与美丽革伊螨 *Gamasiphis pulchellus* (Berlese，1887)[1]极相近似，但

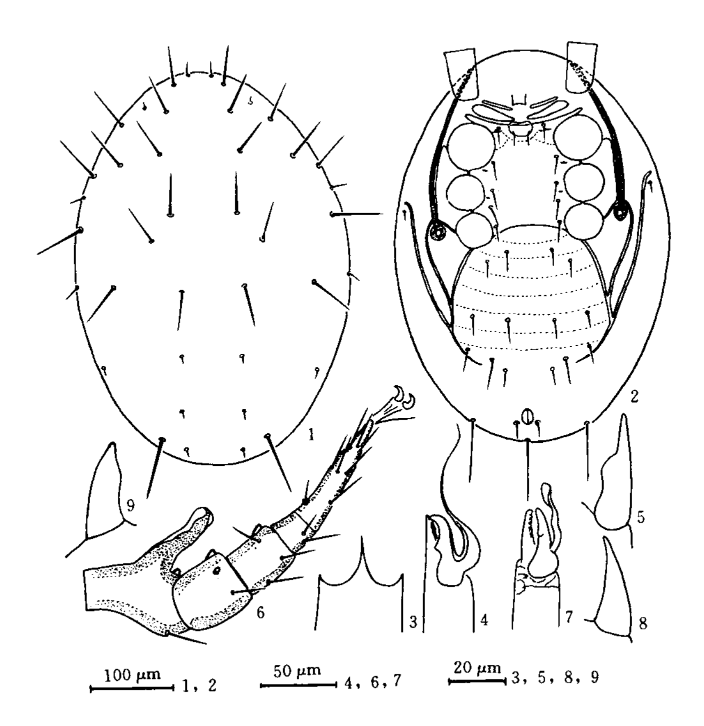


图 1～6　新美革伊螨 *Gamasiphis novipulchellus* 新种♂

图 7～9　美丽革伊螨 *Gamasiphis pulchellus* (Berlese，1887)♂（根据丹东标本）

1. 背面；2. 腹面；3. 头盖；4. 螯钳；5. 颚角；6. 足Ⅰ；7. 螯钳；8. 颚角；9. 股节Ⅰ距

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新种♂螯钳导精趾末端细长，呈鞭状；颚角内缘有圆突；股节Ⅱ距柱状（图 4～6）。而后种导精趾宽短，末端钝；颚角内缘无圆突；股节Ⅱ距呈角状（图 7～9）。

形态描述 ♂（图 1～6）体深黄，短椭圆形，长宽 437×322。背面有长毛约 12 对，另有数对短毛和若干对微毛，由于背面褶叠、扭曲，毛数看不准。胸前板 2 对，前对细长，后对较大。胸生殖板刚毛 5 对。腹肛板前缘圆凸，后部与背板相连，板面横纹明显，除围肛毛外有刚毛 8 对，后一对特别长。Ad 位于肛孔后缘稍前水平，很短，PA 特别长。背板卷向腹面部分与气门板和腹肛板之间均有狭缝。气门沟前端达到基节Ⅰ内缘。头盖有长的中突和短的侧突。螯钳动趾 1 齿，定趾齿看不清；导精趾基段较宽，末段细长，呈鞭状。鄂角内缘有缺刻。颚毛均长，外颚毛稍短。叉毛 3 叉。足Ⅱ股节有 1 大距和 1 小距，大距呈柱状，膝节有 2 小距，胫节有 1 小距。

♀（图 10～12）体色与体形同♂，长宽 460～483×333～379（471×349）。背毛同♂。胸板刚毛 4 对，St_3 内移，稍粗。腹肛板毛、围肛毛、胸前板、气门沟、头盖、颚毛

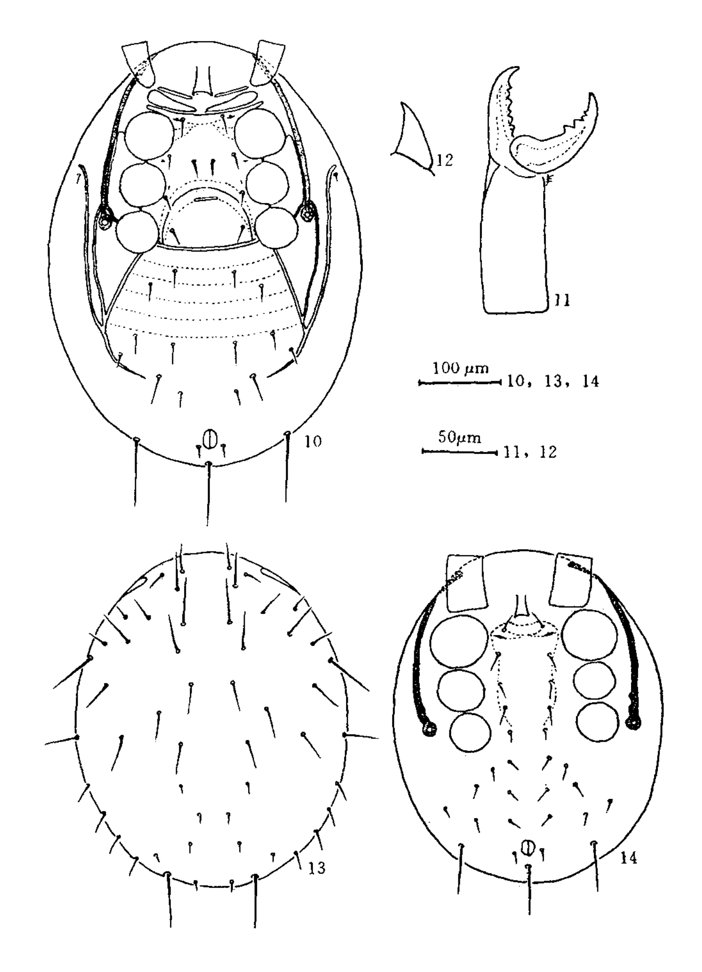


图 10～14 新美革伊螨 *Gamasiphis novipulchellus* 新种

10. ♀腹面；11. ♀螯钳；12. ♀颚角；13. 后若螨背面；14. 后若螨腹面

及叉毛均同♂。螯钳动趾 4 齿，近侧 2 齿大，远侧 2 齿小；定趾 6～7 齿，大小不等。颚角宽短，三角形。

后若螨（图 13～14）体浅黄，近圆形，长宽 391×345。背毛 26 对，长短相差悬殊。胸板骨化很弱，刚毛 4 对。肛板看不清，围肛毛同♂。腹表皮毛 9 对，后一对最长。气门沟前端达到基节 I 前部。头盖、颚毛及叉毛同♂。螯齿看不清。颚角同♀。

标本记录　正模♂，配模♀，副模：5♂♂，5♀♀和 1 后若螨，黑龙江省伊春市带岭区凉水自然保护区，海拔 350～450 m，1995-08，1995-10，1996-08，殷秀琴、陈鹏采自森林中土壤。

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A NEW SPECIES OF THE GENUS *GAMASIPHIS* (ACARI：OLOGAMASIDAE)

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Abstract　A new species of the genus *Gamasiphis* is described in the present paper. All type specimens are deposited in the National Base of Plague and Brucellosis Control，Baicheng City，Jilin Province.

***Gamasiphis novipulchellus* sp. nov.** (Figs. 1～6 and 10～14)

Adult. Body yellow，oval，♂ 437 μm length × 322 μm width，♀ average 471 μm length × 349 μm width. Dorsal shield entire，covering all dorsum and also extending ventro-laterally，with about 12 pairs of long setae and several pairs of short and minute setae. 2 pairs of presternal shield present. Sterno-genital shield of male with 5 pairs of setae. Sternal shield of female coalesced with metasternal shield，with strongly concave posterior margin. Sterno-metasternal shield with 4 pairs of setae，the third pair of setae submedial and situated posterior to the second pair. Genital shield almost rounded anteriorly and truncated posteriorly，and with a pair of setae. In both sexes，ventro-anal shield fused with dorsal shield posteriorly，and with 8 pairs of setae except perianal setae. Ad minute and situated a little before posterior margin of anus，PA very long. Peritrematal shield separated from exopodal shield by a narrow but distinct strip of cuticle，

peritreme extending to coxae Ⅰ. Tectum with long median mucro and 2 short lateral teeth. In the male, spermatodactyl of chela whipshaped, spurs of leg Ⅱ shown in fig. 6. Movable and fixed digits of chela of female with 4 and 6～7 teeth respectively.

Deutonymph. Body light yellow, almost circular, 391 μm length ×345 μm width. Dorsal setae 26 pairs. Venter with 4 pairs of sternal setae, 9 pairs of ventral setae and 3 perianal setae. Peritreme and tectum as in the male.

The new species is very similar to *G. pulchellus* (Berlese, 1887), but in the former species: spermatodacetyl of male whip-shaped, corniculus with projection at inner edge, spur of femur Ⅱ pillar-like (figs. 4～6); in the latter species: spermatodectyl of male short and blunt, corniculus without projection, spur of femur Ⅱ similar to corniculus in shape (figs. 7～9).

Holotype ♂, allotype ♀, paratypes: 5♂♂, 5♀♀ and 1 deutonymph, collected from forest soil in Liangshui Naturel Reserve (47°10′N, 128°53′E), 350～450 m, Heilongjiang Province, 1995-08, 1995-10, 1996-08.